Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/29/2021 09:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124509	-1	2.90	124478	2.91
Blue	F	SSC	125000	125305	0	4.52	125908	4.50
Blue	E	FITC	14400	14079	-3	3.38	324	15.40
Blue	D	PE	24713	24493	-1	2.95	562	11.09
Blue	B	PerCP-Cy5-5	31796	31147	-3	3.97	1035	14.87
Blue	A	PE-Cy7	21240	21158	-1	5.88	569	28.85
Red	C	APC	41319	40926	-1	3.67	1714	11.48
Red	A	APC-Cy7	21019	20565	-3	3.96	771	11.61
Violet	B	V450	7305	6977	-5	3.94	423	12.21
Violet	A	V500	28652	27483	-5	3.49	688	9.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23457	2.86	569	0	N/A	N/A	Pass
Blue	F	SSC	57969	3.48	523	11	N/A	N/A	Pass
Blue	E	FITC	60	51.72	496	5	0.0425	33	Pass
Blue	D	PE	117	37.06	493	6	0.3933	291	Pass
Blue	B	PerCP-Cy5-5	190	35.97	589	5	0.0193	47	Pass
Blue	A	PE-Cy7	113	67.72	637	7	0.0226	3	Pass
Red	C	APC	395	23.53	576	3	0.0284	150	Pass
Red	A	APC-Cy7	172	27.42	547	2	0.0067	1307	Pass
Violet	B	V450	59	60.76	458	2	0.0653	2137	Pass
Violet	A	V500	98	30.52	472	2	0.0267	363	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.12	-31.96	0.97
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	20.01	15.99 - 23.99	N/A	N/A	30.43	30.57	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 13571

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments